Ancroid Determinations. On June 13, 1904, Governor Botton provided me with two first class aneroid barometers, reading ish to 20,000 feet without adjustment. These two instruments were set at (0) at mean Tide-water, at Jagulaya, at & o'clock, a. m., June 15, 1904. Ove instrument was given over to the charge , who recorded readings at 8 a. m., 12 m., and 4 P. M., daily from June 15, 1904, at 8 a. m. to to June 23, 1904, Cat Jagulaya, on the shore of the Stuly of Daino. and set together at 7 a.m. June 15, 1904. all were ordinary watches, which varied so little during the period of the observations that no correction was considered necessary Senor theek aneroid readings are attached hereto.

Mount apoliveroid Readings.
Yagulaya, at mean lide-water, Gulf of Daino June 15, 1904, 6 a.m. 0000
" " 7: a.m. 0000 When edge of evigonal, UN. apotrail June 15,1904, at 9:45 a.m. 1030
Brunch of Logulaya River, " " 9:55 a.m. 930

Toon cahling " 12:00 M. 1550.

House of sub-Datto where we turned down to the Priver June 16,1904, a.m. 1725

At At. River do a.m. 1300 at the River do 1660 Where we left the River do P.M. 3350 Todaya (house where we sleft) Todaya 20 June 17,1904, et 7:000. m. 3350 Highest cultivated fields above Todaya do a.m. 3500 Joh of hill behind Datto Mungah's house do a. M. 3750 11:00 a. W.+ 050 Thermal Spring Reading on hillside 12:15 P.W. 4750 do 9.4.5260 " above the little flat do P. W. 5275 Cercek Grossing (water very cold) do 1:40 P.M. 5600 Dr. Ceopeland's shack at Comp Goodfellow 7:00 a.m. 5700 Camp Goodfellow, June 22, 1904, at Sulphur Venta " 7540 Highest trap (to right of crwasse) June 22,1904, 7750 Duck of high traps, near Dulphun Vent June 26, 1904 7600 8100 Second Sulphur Vent ., 20. W. 5830 Camp Goodfellow

Coamp Goodfellow, 6:45 a.m. 5710 feet 5710 feet 59000 .. 6:00 P. M. Srap-box 6200 .. 7:15 a.M. Headquarters of Goodfellowia miranda (7 shot) 6250 " Traps and caryon, 7:40 a.M. 6575 Duides Rest, above strep rocks, 8:30 a. M 7240 4:00 P.M. 7400 Tile Tablet 8:45 a.m. 7450 3:00 P.M. 7700 Small bowlder, Jine view, 8100 8800 Small steam-vibitingtrail E. Peak (shoulder) of apo 10:00 a.m. 8900 9000 On arrival at monument and bottle exactly Some 9500
Some Arrivation as above 10:45 A.M. Jobservation: 9500

Aldele or main hear 12:00 H. Jobservation: 9500 Laguna in Apo erater 12:00 M. 9250 Top of recent slide sear, on leaving peaks 9500 / Dr. Co. O. Copeland's ameroid, April 20, 1904, 9080 " On april 23, 1904, he noted: "Barometer dropped while here from 9320 to 9500.

Aneroid Readings. June 30, 1904.
By Hletcher L. Keller. Hour.
Camp Toodfellow 5:00 a.m.
2:20 8:m. Freet. 5:00 Q.W. 5940 2:20 Q.m. 6075 Guide's Rest. 7:15 Q.M. 7425 12:30 P.M. 7450 Tablet 7:40 a.m. 7650 12:00 74. 7750 10:000.m. 9050 about noon? 7900 Eeast Spurd East Deak Highest trap on right side of canyon aneroid Reading at (Thermometer, 710 7.) July 12, 1904:-6:00 P.M. 7800.

Ceneroid Readings, July 1, 1904. Ceany Goodfellow Time. Heet. 6:30 a.m. 5940 6: P. W. 5940 Ganyon and Lafe traps Guide's Rest 8: a.m 6800 9: a.m. 7425 4:15 P.M. 7525 Sablet 9:15 Q.W. 7700 3:15 P.M. 7815 East Peak 10:15 Q.W. 9080 mot motest 9160 East Peak
" (returning)
Main Peak 11:15 a.m. 9640 2: P.M. 9700 Crater Lake

H. Peak Cerater Lake

(His little rowny peak at M. extremity where

North Plake Ileft necord is 10 feet lower). 1: 8.M. 9400 1:45 P.M. 9450 11:45 a.m. 9700 Middle Peak has 4 rocky humnocks: 12:11 P.M. 9675 E. Point, nearest n. Peak 12:15 P. W. 9700 W. Point, close by Middle Peak 12:17 P.M. 9710 DE. Point } next to the crater pool 12:219.m. 9675 12:25 P.M. 76 10 12:38 P.M. 9655 West Main Peak

Aneroid Readings, Hour feet. Swen Goodfillowia miranda 7:00 a.m. 6300 f:30 a.m. 6700 Hoot of Canyon and traps 8:15 a.m. 7350 Guide's Rest 9:20 a.m. 7650 Tablet E. Spur of East Jeak 10:45 a.M. 9025 2:00 P. W. 9700 East Peuk Valley between Middle and north peaks 4.00 P.M. 9650 Aprix (highest one) of Middle Peak 5:15 P.M. 9450 5:45 P.M. 9775 (Sun sets) July 6, 1904. 5:30 a.m. 9740 6:00 a. m. 9825 M(="N") Peak at 7:00 a.m. 9720 Notch (camp) 7:20a.m. 9800 East Peak Rummit East Spur of East Peak 8:30 a.m. 9220 7:20a.m. 7880 9:45 a.m. 7540 Quide's Rest Hoot of Canyon and traps Camp Toodfellow 10:15 a.m. 6900 12: m. 5960

July 8, 1904. — Ancroid at 5: 30 a. m. J. 30 a. m. 6000ft. 52° 71. 6000 ft. " 12 m averoid boroweter 67°7. " 12 m Thermometer at " 2 P. W. 6050 ft. aneroid barometer " 2 P. W. 66° 7. Thermometer ..\_ 5 P. W. 6050 ft. Aneroid barometer 6025 ft. 58° 7. " 6 Р. чи. Thermometer ., 6 Р. чи. 6000 St. 10 P. W. 3 Q. M. 6000 ft. aneroid at July 9, 1904. -3 a.m. 54 4. Thermometer. 6 a. m 6000 St. Aniroid barometer 6.a. m. 53° 4. Thermometer at 12 Tu. 6000 ft. Aneroid barometer 67 4 12 m Thermometer (shade) 84° 7. 12 W. Thermometer (sun) 7:15 P. W. 55° 7. Thermometer ..\_ 6:00 P. W. 6050 ft. Aneroid barometer Datto Mung'-uh came up to Camp Goodfellow with his men to move us down to To-dy'- wh to-morrow.

Mount Apo Ameroid Readings. Camp Goodfellow, Jul, 2, 1904, at 3:00 G. 3:00 P.M. 5950 8:00 a.m. 5875 6:00 P.M. 5930 .. 3, ", " 6:00 a.m. 6000 " 7, 12:00 m 6000 " , " " 7, 9:30 P. M. 5900 11 , " 11 F, 5:30 a. W. 6000 " , " "8, 12:00 m. 6000 ,, 8, · , .. 2:00 P.M. 6050 " , " 11 8, 5:00 P.M. 6050 ,, 8, 6:00 P.M. 6025 ., 8, 10:00 P.M. 6000 " ‡8, 3:00a.m. 6000 " 7, 6:00 a.m. 6000 "9, 12:00 ru 6000 " 9, 6:00 P. M. 6050 ., 9, 6:00 a. m. 6000 .. 10, 7:40 a. ru. 5650 1st Crossing of See-ree-bahn River, 10:05 a. W. 5275 The true-trunks love their heavy coating of mors at At 9:20 a. W crossed the See-ree'-bahn Top of hill back of Datto Mung-uh's house, at 10:50 a. m. 4225 11:40 a.m. 3550 Hoot of Jodaya Hell

Datto Munguh's house at Jodaya at 12:00 m.
" " July 10, 1904, 6:30 P.M. 3875 1, July 10, 1904, 6:30 P.M. do July 11, 1904, 9:00 a.M. 3850 3700 do July 11,1904 at 6:30 P.M. do July 12,1904, at 6:30 Q.M. do July 12,1904, at 6:00 P.M. 3800 3780 3800 do July 13, 1904, at 6:00 Ce.M. 3800 Lowert house of Todaya Village " 13, " " 7:20 a.m. 3000 Soo-boo-ahn River " 13, " "8:15 a. M. 2.050 Sal-ooh-soo-bahn River, " 13, " "8:30 a. M. 2.025 " 9:50a.m. 1730 do on leaving "13, " " ; a.m. 2140 Old Pretieo's house at top of hill .. 13 " .. 10:45 a. M. 2000 Loon calling, Datto ali's house ". 13. .. 1:45 P.M. 1400 Pahr-ah-enh-tonthe en " 13" " 2:20 P. W. 1520 Top of hill at point of cogonal " 13" .. 4:30 P.M. 480 Vagulaya (mountain: anesoid) " 13., .. 4:30 P.W. 150 Check " " 13". ", 10:00 P.M. 325 mountair " " /3, .. 10:00 P.M. 80 Cheek " " 13, " 6:00 P.m. 350 neountain " " 14, " 6:00 P.m. 100 Cheek " " 14, " 7:00 a.m. 300 , 15, mountain " . 12:00 m. 140 Check " " 15,

Mount Apo Averoid Readings.

Jagulaya July 15, 1904, ameroid at 12:00 m. 375

"July 15, 1904. Cheek ", 12:00 m. 140

Thermometer readings on Mount Opo. Datto Mungah's house at Jodaya, at 5:00 am. 71 July 10, 1904, 9:00 am. 80 July 11, 1904, 6:00 P.M. 78 do 78 July 11, 1904, 7:30 P.M. do 65 Muly 12, 1904, 6:30 a. M. do do July 12, 1904, 6:00 P.M. do July 13, 1904, 6:00 Q. W. 71 65 Lowerthouse of Todaya Village " 13, ", 7:20 Q. M. Soo-bu-ahn River " 13, ", 8:15 a.M. 74 200-bu-ahn Rwer " 13, ", 8:15 a.m. 76

do water 13 ", 8:20 a.m. fort

Eend of trail in Canyon of Sal-ooh-soo 213 ", 9:50 a.m. 79

do 13 ", 9:50 a.m. 69

Dott. Olich y M. 11 83 10:45 a. W. Datto ali's houseat Tooneahling " 13 " Bahr-ah-euh'-ton River " 13 ... 83 1:45 P.M. 4:30 P.M. Tagulaya 84 " /3 " 10:00 P.M. 78 " /3 " " 14 .. 6:00 P.M. 82 " 15" 7:00 a.m. 75 83 12:00 m. " 15"

Thermometric readings on Mount Opo. July 4, 1904. Shade Temperature July 1, 1904, 6 P. M. = 62 of Dee-ree-bon River water 64 " 2, ", 5:30 Q.Zu=51 I spring water at Camp Goodfellow 572 " 2, ", 12 M. = 64 July 8, 1904, " 2, ", 6°.m. = 62 5:30 Q. W. 12:00 m. 67 " 2, ", 10:30 P.M. = 54 " 8, ", 2:00 C.M. 66 " 3, " , 5:50 a. W = 54 " 8, ", 3:00 a.m. 54 " 3, ", 12 M. = 64 " 9, ", 1 3, ", 6P.M. = 63 6:00 a.m. 53 " 9, ", 12:00 m (shade) 67 " 3, ", 9:15 P.M. = 56 9, ", 12:00 M. (Sun) 84 3, ", 11:15 P.M. = 55 " 9, ", 7:15 P. W. " 4 ", 12:02 a.M. = 54 9, ", " 4 ", 6:00 a. m. = 49 10, ", 6:00 m. 4 , 8:30 a m.= 57 "Water of therwood spring 120+ Just before 9:000.W. 70 10, 4 ", 12 m. = 64 " Vir temperature at thermal" furt before 9:00 Q. "cu. 4 ", 3P.M. = 65'z 4 ", 60.7m. = 59½ " Water 2 d crossing Jahne - bo Rivis fl Sat 9:20 a.m. prosed the See-rei 4 , 8:30 P.M. = 58 10 Mabalus River, the water having the lempest 60 Stop of hill back of Datto Mungulis 5 ", 12:01 A.M. = 55 10 " house at 10:50 a. M. fl 10 " Hoot of Todaya Hill 11:40 a.m. 80 5 ., 6 a.m. = 52 6 ., 6 P. M. = 62 10 .. Datto Mungubis 12: W. 83 10 .. " 6:30 P. W. 71 7 ", 12:010.74.= 54 7 ", 5 a.m. = 53 10 .. " " 7:308.m.68 7 " , 6:00 P.W = 59 7 " , 9:30 P.W = 57

Mount Opo. Thernometer Readings. Degrees, July 5, 1904:— How. Harenheit. Carryon and traps 7:45a.m. 64 Vablet 9:200.74 70 East Spur of East Peak 10:450. W. 62 East Pear 2:00P.m. 57 Notch Ortwern north and Middle Peaks 4:00 P.W. 52 West Peak 5:00 P.W. 50 Air temperature at Cerater Lagoon Water temperature of Cerater Lagoon Highest point of Middle Plak 5:13 P.M. 49 5:23 P. W. 54 5:45 P.W. 45 Easep in notch 6:00 P.M. 46 7:00 P.W. dguly 6.1904:-12:00 Wildinght 43 3:00 a.m. 42 5:00 a.m. 41 5:30a.w. 44 Quantity West Peak 6:00a.m. 48 air temperature at Camp (shade) 6:30a.m. 48 Water temperature at early (20 minutes) 6:55 a.m 47 Coast Peak 7:20a.m 50 East Spur of East Peak 8:30a.m. 55 9:20 a. m. 61 9:450.74.64 Guide's Rest Hoot of Campon and braps 10:15 a.m. 75

## ABSTRACT OF MEDICAL PROPERTY—Continued.

Sinapis nigra (pulvis), in 500 gm. bottles	ARTICLES.	
W. and Separtion of NAJAL Way 7, 1903 = 9 am. 21 B. B. A. Vore.	Total carried forward from page	
10 OBTURHE 1880	, VOUCHERS.	
	TOTAL.	

Receirings charmy Mense. 1, 1. 10.06. D. 1 mg 1, nouch 50 . 2006. 2. Saron frince 85 £ 20. I an. of lash. Course of the words 5 339 3/10 23 Henry sources. 0300 25 12,-5-14 256 50 5 m. crossing Emyer. Riv. 1. 1. 1. 100; 30. 260 10 m Grass 75 230 5000 Grass 125 300 10 m erozione dry crectz. 100° would. 150 C 20 10m. 200 280 Jan. 250 2 40 A 10 1 350 300 12 12 13 2 6 3 .. nes -6. 500 10 m 300 260 630 10m crossing Malaling " 100 x 700. 00%. 300 700 50 Throng 1100 at 8 500 1.40 5 m Through Herry course for I con the 850 290 5 B. crossing only sound. Let ilivis. 450 330 10m ten & direct on and for a 12th 1550 : 40 5 mi arin Cake acc. 1150 10m 340

(; Caragan. 8.15 Am. May 26 06. Time o Comport Parase errory a long in secon and Vorsio. 30m 2 = 2 hig alwards. 275 from in 5 min. 1550 6 m. 2 45 fallour my roomy to me 300 rolo. 13 50. 270 after leaving too ile arrough l'oo is 1500 320 10m. Descured to Diefo Rowine to left 50-75/1. 1400 2011 250 left Bown and the my Woulds. 1500 = 90 10 m. per wering Malow ig Priver 60'will 1700 10m. 360 1830 ascending Prolas inace in 10 m. 70 1660 Morning: " Jaco delpo Finge . ro. all 10 m 340 fire out thous. rooky trail 320 5 m. 250 Ografian Somme 2350 10m 300 290 2450 10 m 250 greto - ~ 6 min. 10 m 340 25 50 350 2700 10m 10.n 340 2850 260 yrds on 5 m. 3000 340 100 10. 3100 10 m. 330 32,50 10 m 2 50 yello - 1 3 m. 350 3400 10m. 310. 3500 3-2 3600 360 3-0-250 frels an 5 mm. 2700 3 40 5 m and my inny contrada, in hiras 4000 350 15 m line former to , it ines . 77 . 3. 4300 20m 320 Steeps George Le W. Slope - 5 0. 4400 3 4.0 5 m 4677 2 3 mels au 3 min 100m 350

E1 . 12 Ce je is on . marl 2 5 freid , a 5m. 360 1 30 10m frees in meldy overdering muss, 5000 10 m 360 5300 15 m 22 prato me 6 min. 340 5600 20 m descendency, it esiste. 1.5 m 300 5750 300 5.600 10 n francisco d'édge 2011 " 330 5500 5m 2 90 5300 16 m 300 groti on 5 min. 300 5000 15 m ascending ter. Mr. Poliss 260 5600 1.0 m ar at Lunich of 91. Pacis. 75 x 300 Ri Aro 5700 5m. 5750 250 3m Mark. Mr. Bliss 12,10.0m. June 1,06 from Comps to northern Stope of Peak 300 5730. 3m. descending over hogback 3600 5500 10 m 3400 52,50 10 m following Diolge of Dowiels. 3.10 5000 5m 4900 300 10m 4800 270. 300 3 20. 4800 10 m 290. 4-800 10 m over Device 340 4800 over Dewirlle. 3 m Det. Dian down to Bliss Priver 30 4700 3 m 200 frots on 5 am. 60 4450 10m 70 10m 4200

Ranarks. Co injens Borouth 5n 30 4.100 C'e sending he Blos tomer. 3.900 10m 60 200 frold in 60mm. 3800 70 5m Armved at Blis Pier 20:53'sonds 60 10 m 3600 80 5m 3550 3 450 40 10 m high dress and fermo. 225 yes in 5mi. 3300 70 10 m 100 3200 5m left Piver, to oross over derive to. C. 3300 10m 5m. 340 3400 225 frots in 5 min. 3500 30. Jm. fallow my Proje, ballon over Demole 10m 90 3700 15m. 360 4000 4400 20na. 340 200 yrals in 3 m. 4550 10m. 350 4900 360 2500. Peak of Pridge Descending from highest Print of Ridge. 15m. 270. 4700 along dop at Ringe 5m 270 4600 4200 30 360 Descending to Maline and niver 3800 30 360 Gorge. and at. Buthour and went into Comp. Priver 50-75' mis 2 6 Worker 550 receighted simoh

Shar. will's the File Come of the Come of time, 29 00 following Gusting ded & File . With 3950 Giver & 0 50 \$ 75 P- 1 1 45 C 3110 4050 50 gl. 60 ... 5 min 060 Vin 4200 5 m 060 42,50 e Lineno small rajordo. 10 1 Com 4350 250 yords on 5 m. 3-1-4400 great commons. 2 70 4450 5 m 10 m 320 4500 300 Tribubary form 2700. 10 m 4550 15 m 3 40 4650 4750 1/6 1000 4850 60. 10m Tributary alering maling R. 3000 4900 10 m 360 For butony entering Mal. P. 20° over 53' fall 16 m. 20 4950 rilukary 20 . . 50 H fall. = / 6 5050 10m. 10 m 5700 Lmall Ton , 276: 20 ft all 360 16 m 20 5200 2 Hosen in Somme. 300 5250 10 m. Small Fri hatory from 600 326 5-300 10 m 300 5400 13 m 270 5 450 Small rales it high. Jon 5m 320 5500 Malindhoung rived, no hes 330°2500 Pracherry Check. 10-15 fl winde 5600 15m 0 30 Jase hefere Falls 50 pl ingh, homed of a 3 40 10m 5700

(6) Remarks. Time Composs. Boron Sheeps climbe were rough country 20m 660 5950 Weich into Damp. The murray Flaho. 15m. 350. 60 50 3m. 360 6100. Shout On Murray, Thats June 4.06. 9 am. m 360. agenege rate of 200' in 5 min. Orined en Summit. Elevation acordina 20m. 340 in. 10m 3 60. abserations by Barrometer and Clinonaker from Mit Bliss and The murray Flats. 92,00 feel.

11 11 1 1 1 1 ad 1 1 2 5 711, 21 35 . may 27.0 = 1.090 30m 640, some halour, ..... 32 on 642 12m 700, 6 Ph. 42° fractors, 100. Gara, 550. 12,m 12 2 69° CVm 21.00 12m.67? i.m. 1.0 Beactings are hoper trand indisinder up. set of mon 870 12m 582 Dan 540 Willer many to serv 7,0. 12 m. 58°. 612 5.30 June 7.06 Ty hours boun

Ground Moutin de 3 1. 106 & 340 35.500 6 200 Co. 112 1.03 3990 4 211 - - -Mi Minus 1. 5 12 6 36 1 43 20 5 1/2 miles 16. 199 - 130 · / 2 12 co. -The Election . 200 in it will bay 1 1 20.11 N/ - 1. May 28.06 /380 -0100 al a 250 mile June 8-06 342. + 0.350 5 3/4 miles. The .. . Special branch . n. ic. nu Bliss June 406 162. - 60 2 2 12. Trust Milianousing June 4.06 170 -650 7 mm leo.

2. 21/2 Con jos: Clamom estembre 1 2:1 estimate 1 2 inter rec July 2380-1020 30 mili. Jme 4.66 2 de 2. - 30 //2000. le. - Voier of Durchain Maraut. 'm 5.06, 16.0° - 20° - 6 9m'lm. Efogialist ( 1. 4. -1. 52 -1°30 0 .... 6 80 miles 126°-7.30' 4 miles. Had Tup Marintan. 800-19:101 3 4 4 5 Miz Eshrellais. 5-4 350°-210' 6 miles Court Range 5 to Jan 16° -3° 89miles 2160 - 8"40" omiles. ------240° - 820 - " on ted 1 100/1

Date. Compas Clinom. Bestimorhed Distance 9. ~ e5.00 2500. - 9°50. Spinius. 7800 2850 + 50 in 20. Thisones to Crark

Borrensher and Therrings ier Peadings. Fine Therm Farancher. Mrc Minray Flois. Jame . 6.06. 8 on 60. 6050 12 m. 6100 62 6 Cm 60. 6075 June 7.06. gam. 6075 60 6100 63. 12, m. 60 75 & Pm. 60 Jme 806 6/00 6 and 57. 13 Ciss 921 Jone 8.06 2.00. 700 5730 590 5700 6 am 5825 700. Mechogan June 9.06 77. 1160 6 ans 1100 73. 1130 82 12m 1175 6 Pm. 78 June 11 1100 72, 6 ame. 1091903. ( variou des) 25'Ela June. 11. 12 m. 8 84 50 Michaulis (Fort 40' Elev.) 6 Pm. 84 100 6 am 75 30 12 m 89 70. 6 am. oner home 20' Elex. 25. Ince 11. June 12 Inne 13.